

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Shatter the Myth of a Still Earth: 5th Grade Geology Quiz

How do giant mountain ranges actually form? Identify the moving parts of our planet across 10 engaging foundational questions.

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**1. Imagine Earth is like a giant cracked eggshell. What do scientists call these massive, moving pieces of the Earth's outer layer?**

- A. Oceanic bubbles
- B. Tectonic plates
- C. Mountain roots
- D. Magma chambers

**2. True or False: Most earthquakes and volcanoes happen near the edges where two tectonic plates meet.**

- A. True
- B. False

**3. When two tectonic plates suddenly slip past each other, the energy released causes the ground to shake. This event is called an \_\_\_\_\_.**

- A. Eruption
- B. Avalanche
- C. Earthquake
- D. Ice age

**4. What is the name for the melted, liquid rock that stays trapped \*underground\* before a volcano erupts?**

- A. Lava
- B. Magma
- C. Ash
- D. Core

**5. The 'Ring of Fire' is a famous area around the \_\_\_\_\_ Ocean known for having many volcanoes and earthquakes.**

- A. Atlantic
- B. Indian
- C. Arctic
- D. Pacific

**6. True or False: Tectonic plates move very quickly, about the same speed as a person running.**

- A. True
- B. False

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**7. Which of these features is most likely to form when two continental plates crash into each other and push the land upward?**

- A. A deep canyon
- B. A sandy beach
- C. A mountain range
- D. A coral reef

**8. A \_\_\_\_\_ is a scientist who specifically studies earthquakes and the vibrations of the Earth.**

- A. Biologist
- B. Seismologist
- C. Astronomer
- D. Chemist

**9. When tectonic plates pull apart under the ocean, what usually happens?**

- A. The ocean disappears
- B. New crust is formed by rising magma
- C. The moon's gravity increases
- D. A giant whirlpool forms

**10. True or False: Some volcanoes can form in the middle of a plate, far away from the edges, at places called 'hotspots.'**

- A. True
- B. False